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(face OR facial OR head) (videophone OR "video phone")

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[Automatic adaptation of a face model using action units for semantic coding of videophone sequences - all 2 versions »](#)

L Zhang - Circuits and Systems for Video Technology, IEEE Transactions ..., 1998 - [ieeexplore.ieee.org](#)

... algorithm [30], the method of tracking a **face** by global **head** motion compensation ...

proposed in [12] can be applied for locating the **face** in the **facial** image. ...

[Cited by 29](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Automatic face location for videophone images - all 4 versions »](#)

D Chai, KN Ngan - TENCON'96. Proceedings. 1996 IEEE TENCON. Digital Signal ..., 1996 - [ieeexplore.ieee.org](#)

... **videophone** image which consists of natural **head**-and-shoulders ... difference values coincide

with those of the **face**. ... 0 Chrominance values found in **facial** region ...

[Cited by 17](#) - [Related Articles](#) - [Web Search](#)

[A robust model-based approach for 3D head tracking in video sequences - all 11 versions »](#)

M Malciu, F Preteux - Proc. of IEEE Intl. Conf. on Automatic **Face** and Gesture Rec, 2000 - [doi.ieeecomputersociety.org](#)

... B. Sankur, JCA van der Lubbe, "**Facial** feature localization and adaptation of a generic

face model for model ... [9] F. Prêteux, M. Malciu, "3D **head** tracking in ...

[Cited by 23](#) - [Related Articles](#) - [Web Search](#)

[Automatic extraction of facial feature points for MPEG4 videophone applications](#)

N Sarris, P Karagiannis, MG Strintzis - Consumer Electronics, 2000. ICCE. 2000 Digest of Technical ..., 2000 - [ieeexplore.ieee.org](#)

... framework for efficient coding of the human **head** and its ... to an expected symmetry

within the **facial** area. ... I: (a) the thresholded image (c) the **face** region after ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Synthesis of facial expressions for semantic coding of videophone sequences - all 7 versions »](#)

M Kampmann, B Nagel - Computer Graphics International, 1998. Proceedings, 1998 - [ieeexplore.ieee.org](#)

... 2: **Head** rotation axes ... Using these **facial** features, the **face** model is adapted in two

steps [10] ... Here, the size of the **face** model and its **orientation** in 3D space is ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

[Automatic 3-D face model adaptation for model-based coding of videophone sequences - all 2 versions »](#)

M Kampmann - Circuits and Systems for Video Technology, IEEE Transactions ..., 2002 - [ieeexplore.ieee.org](#)

... and cutting the upper third of the **head** silhouette [Fig. ... After global adaptation,

the local adaptation adapts the **face** model to the estimated **facial** features ...

[Cited by 29](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Muscle modeling for facial animation in videophone coding](#)

C Braccini, S Curinga, AA Grattarola, F Lavagetto - Robot and Human Communication, 1992. Proceedings., IEEE ..., 1992 - [ieeexplore.ieee.org](#)

... artificial markers on the speaker's **face** in correspondence ... The speaker's **head** is modeled by means ... investigation to correlate the speaker's **facial** mimics to ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

3D videophone for virtual reality telecommunication

NAM Arif, R Komiya - Communications, 2000. ICC 2000. 2000 IEEE International ..., 2000 - [ieeexplore.ieee.org](#)

... for image representation in **face-to-face** communication. ... OF ITEMS FOR PRELIMINARY EVALUATION OF 3D **VIDEOPHONE** [7] No ... 3 Gesture 4 Changes of **facial** expression 5 ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic location and tracking of the facial region in color video sequences - all 2 versions »

N Herodotou, KN Plataniotis, AN Venetsanopoulos - Signal Processing: Image Communication, 1999 - [ingentaconnect.com](#)

... and track the **facial** area in **videophone**-type sequences. ... correctly identify and select the **facial** region in ... about each object's shape, **orientation**, location and ...

[Cited by 48](#) - [Related Articles](#) - [Web Search](#)

A robust real-time face tracking algorithm - all 2 versions »

RJ Qian, MI Sezan, KE Matthews - Image Processing, 1998. ICIP 98. Proceedings. 1998 ..., 1998 - [ieeexplore.ieee.org](#)

... to correctly recognize the user's **facial** expressions, gestures ... Eleftheriadis and Jacquin proposed a **face** tracking algorithm in [2 ... due to a moving **head** and the ...

[Cited by 48](#) - [Related Articles](#) - [Web Search](#)

Automatic face segmentation in YCrCb images

S Kwei, F Xitlan, C Anni, S Jingao - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - [ieeexplore.ieee.org](#)

... The proposed **face** segmentation technique has been tested by ... The **facial** region was correctly detected in most ... tilting and rotation of the **head**, and presence of ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

[CITATION] Automatic Face Location for Videophone Images

DCKN Ngan - 1996 IEEE TENCON, Digital Signal Processing Applications: ..., 1996 - IEEE Service Center

[Web Search](#)

MPEG-4 Facial Animation and its Application to a Videophone System for the Deaf

N Sarris, MG Strintzis - Multimedia Networking: Technology, Management and ..., 2002 - [books.google.com](#)

... thus calculates the accurate 3D rigid motion of the **head**. ... defined a set of 68 parameters, (the **Facial** Animation Parameters ... be observed on a human **face** with respect ...

[Related Articles](#) - [Web Search](#)

Feature-based human face detection - all 10 versions »

KC Yow, R Cipolla - Image and Vision Computing, 1997 - Elsevier

... not trivial when the background is complex, the illumination is varied, and the **pose** of the **face** ... The evidence for each **facial** feature or **face** group i ...

[Cited by 222](#) - [Related Articles](#) - [Web Search](#)

[CITATION] Somatic features extraction for facial mimics synthesis

W Bellotto, S Curinga, P Ghelfi, F Lavagetto - Time-Varying Image Processing and Moving Object Recognition, ..., 1994 - Elsevier Science

[Related Articles](#) - [Web Search](#)

Three dimensional facial model adaptation - all 2 versions »

N Sarris, MG Strintzis - Image Processing, 2000. Proceedings. 2000 International ..., 2000 - ieeexplore.ieee.org

... Qayed and AF Clark, Oh algorithm for **Face** and **Facial** ... and MG Strintzis OAutomatic

Extraction of **Facial** Feature Points for MPEG4 **Videophone** Applications 0 ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

[CITATION] VR-Face: An Operator Assisted Real-Time Face Tracking System

TJ Yang - Communication and Multimedia Laboratory, Dept. of Computer ..., 1999

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

[CITATION] The role of vision in **face-to-face** and mediated communication

S Whittaker, BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Assoc Inc

[Cited by 118](#) - [Related Articles](#) - [Web Search](#)

Generalized likelihood ratio-based face detection and extraction of mouth features - all 13 versions »

C Kervrann, F Davoine, P Pérez, R Forchheimer, C ... - Pattern Recognition Letters, 1997 - Elsevier

... on 5 key frames of a QCW **videophone** sequence (affine ... the system succeeds to reliably

extract the **face** as long ... approach to the detection of **facial** features was ...

[Cited by 28](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic interpretation and coding of face images using flexiblemodels - all 8 versions »

A Lanitis, CJ Taylor, TF Cootes - Pattern Analysis and Machine Intelligence, IEEE Transactions ..., 1997 - ieeexplore.ieee.org

... variation of these parameters they interpret **head** move- ments ... Modeling, in which

flexible models of **facial** appear- ance ... for cod- ing and interpreting **face** images ...

[Cited by 375](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic human face modeling in model-based facial image coding

S Luo, RW King - Intelligent Information Systems, 1996., Australian and New ..., 1996 - ieeexplore.ieee.org

... method to extract contours of **head**, mouth and eyes and other important features

in real **facial** images ... and Jam As we introduce **face orientation** detection during ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

[PDF] Facial feature localization and adaptation of a generic face model for model-based coding - all 4 versions »

MJT Reindersaj, PJJ van Beek, B Sankurb, JCA van ... - Signal Processing: Image Communication, 1995 - busim.ee.boun.edu.tr

... (iii) Certain **facial** features are always visible, in other words, **head** rotations

and ... visibility of eyes and mouth are precluded; similarly the **face** is not ...

[Cited by 64](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Preliminary evaluation of 3D videophone for virtual realitytelecommunication

NAM Arif, R Komiya - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - ieeexplore.ieee.org

... 3D **videophone** is to realise pseudo natural **face-to-face** communication ... On the other

hand, making use of **head** mounted display or ... I 8 I Changes of **facial** expression ...

Web Search

Automatic feature extraction and **face** synthesis in **facial** image coding - all 7 versions »

FC Wu, TJ Yang, M Ouhyoung - 6 thPacific Conference on Computer Graphics and Applications, 1998 - doi.ieeeecs.org

... Extraction of **face** features is an important issue in **facial** image related ... arise from different illumination, **head pose**, **facial** expression, as well as ...

Cited by 3 - Related Articles - Web Search

A Videophone for the Deaf

N Sardis, D Simitipoulos, MG Strintzis - Medical Infobahn for Europe: Proceedings of MIE2000 and ..., 2000 - books.google.com

... and non-rigid (right) adaptation of the **face** model shown ... the problem of tracking the **facial** characteristic feature ... the rigid 3D motion of the speaker's **head**. ...

Related Articles - Web Search

Face detection for image annotation - all 6 versions »

G Wei, IK Sethi - Pattern Recognition Letters, 1999 - Elsevier

... testing, we hope to refine our **facial** feature extraction ... cope with situations in which the **face** is tilted ... we cannot handle something like significant **head** tilt ...

Cited by 37 - Related Articles - Web Search

Video realistic avatar for virtual **face-to-face** conferencing

YJ Chang, CC Chien, YC Chen - Multimedia and Expo, 2002. ICME'02. Proceedings. 2002 IEEE ..., 2002 - ieeexplore.ieee.org

... avatar for virtual **face-to-face** conferencing system ... Textured Polygonal Model Assisted **Facial** Model Estimation ... and YC Chen, "Robust **Head Pose** Estimation Using ...

Cited by 3 - Related Articles - Web Search

Hinged-case sound and vision communications terminal, in particular a **video-phone** - all 2 versions »

J Guichard, G Buchner, J Labat - US Patent 5,111,498, 1992 - freepatentsonline.com

... August, 1989, Hoshina, 379/53, Display terminal for a **videophone**. ... display screen 128 or to the front **face** of the ... of the speaker's body, eg, the **head**, occupies a ...

Cited by 10 - Related Articles - Cached - Web Search

Face shape extraction and recognition using 3D morphing anddistance mapping - all 3 versions »

C Zhang, FS Cohen - Automatic **Face** and Gesture Recognition, 2000. Proceedings. ..., 2000 - ieeexplore.ieee.org

... This is followed by a local adaptation of the **face** to the different **facial** features (manually ... an operator in the image views) while keeping the **pose** fixed. ...

Cited by 5 - Related Articles - Web Search

[CITATION] MPEG-4 Compliant Tracking of **Facial** Features in Video Sequences

M Malciu, F Preteux - Proc. EUROIMAGE, ICAV3D, Greece, 2001

Cited by 5 - Related Articles - Web Search

Multi-objective retrieval of object **pose** from video - all 5 versions »

AN Avanaki, B Hamidzadeh, F Kossentini - Proceedings of IEEE Conference on Tools with Artificial ..., 2000 - doi.ieeeecs.org

... 3-D **facial pose** and gaze point estimation using ... IEEE International conf on automatic

face and gesture ... Recognition of human **head orientation** based on artificial ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

A novel **face** segmentation algorithm

W Fang, L Pengfei - Info-tech and Info-net, 2001. Proceedings. ICII 2001-Beijing ..., 2001 - [ieeexplore.ieee.org](#)

... results carried out on a **head-and-shoulders** ... Extraction of **Facial** Images from Complex

Background Using ... In International Workshop on Automatic **Face** and Gesture ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

Realtime **face** object extraction algorithm for **video phone**

K Hontani, T Imanaka, G Fujita, T Onoye, I ... - Circuits and Systems, 2002. APCCAS'02. 2002 Asia-Pacific ..., 2002 - [ieeexplore.ieee.org](#)

... can not also be employed for the mobile **video phone**, since they ... aims at the

real-time extraction of a **face** object in ... it is not unreasonable to sup- **pose** that ...

[Related Articles](#) - [Web Search](#)

Estimation of eye and mouth corner point positions in a knowledge-based - all 2 versions »

L Zhang - 1996 - [citeseer.ist.psu.edu](#)

... summary). Abstract: Automatic extraction of **facial** feature points ... location informations

of the **face** model are ... an increasing interest in **head** tracking algorithms ...

[Cached](#) - [Web Search](#)

Constructing a **Videophone** for the Hearing Impaired Using MPEG-4 Tools - all 8 versions »

N Sarris, MG Strintzis - 2001 - [doi.ieeeecs.org](#)

... the most accurately tracked points and thus calculates the **head's** accurate 3D ... Estimating

nonrigid 3D **facial** motion. ... motions we can observe on a human **face** in a ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Analysis and synthesis of 3-D **face** image sequence based on model-based image coding scheme with an ...

MC Park, NP Chandrasiri, T Naemura, M Kaneko, H ... - Image Processing, 1999. ICIP 99. Proceedings. 1999 ..., 1999 - [ieeexplore.ieee.org](#)

... important when the estimation of global **head** motion and ... T. Takabe, "Analysis and

synthesis of **facial** image se ... [4] L. Zhang, "Tracking a **face** for knowledge ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

... at curved surfaces with applications to dynamic range compression and model-based coding of **facial** ... - all 3 versions »

W Blohm - Image Processing, IEEE Transactions on, 1997 - [ieeexplore.ieee.org](#)

... with no details visible in some **facial** regions result ... is employed for determining

within the **head** and shoulder ... visible in all regions of the person's **face**. ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

The Effects of Media and Task on User Performance: A Test of the Task-Media Fit Hypothesis - all 2 versions »

BE Mennecke, JS Valacich, BC Wheeler - Group Decision and Negotiation, 2000 - Springer

... **Face-to-face** inter- action is theorized to be ... Likewise, the **videophone** can convey

both verbal and nonverbal ... inch LCD monitor which displays the **head** and upper ...

[Cited by 32](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Facial feature tracking for eye-head controlled human computerinterface - all 5 versions »

JGKKN Kim, RS Ramakrishna - TENCON 99. Proceedings of the IEEE Region 10 Conference, 1999 - ieeexplore.ieee.org

... techniques are desirable and **head orientation** must be ... D.Thanassas, E.Badique, Automatic

face location to ... [121 Sang-Ho Kim "Parallel **Facial** Feature Tracking ...

[Cited by 8](#) - [Related Articles](#) - [Web Search](#)

Skin color detection for **face** localization in human-machinecommunications - all 2 versions »

D Chai, SL Phung, A Bouzerdoun - Signal Processing and its Applications, Sixth International, ..., 2001 - ieeexplore.ieee.org

... D. Chai and K. N. Ngan, "Locating **facial** region of a **head**-and-shoulders ... image," in

Third IEEE International Conference on Automatic **Face** and Gesture ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

Hand and **face** segmentation using motion and color cues in digital image sequences - all 4 versions »

N Habili, CC Lim, A Moini - Multimedia and Expo, 2001. ICME 2001. IEEE International ..., 2001 - ieeexplore.ieee.org

Page 1. HAND AND **FACE** SEGMENTATION USING MOTION AND COLOR CUES IN DIGITAL IMAGE

SEQUENCES ... Our hand and **face** segmentation algorithm is composed of three stages. ...

[Cited by 13](#) - [Related Articles](#) - [Web Search](#)

A novel skin color model in YCbCr color space and its application to human **face** detection - all 2 versions »

SL Phung, A Bouzerdoun, D Chai - Image Processing. 2002. Proceedings. 2002 International ..., 2002 - ieeexplore.ieee.org

... will remove "spikes" connected to a **facial** region ... KK Pang, Adaptive skin segmentation

for **head** and shoulder ... D. Chai and KN Ngan, "**Face** segmentation using ...

[Cited by 55](#) - [Related Articles](#) - [Web Search](#)

Simulated natural movement of a computer-generated synthesized talking **head** - all 3 versions »

NS Jayant, J Zhong - US Patent 5,933,151, 1999 - freepatentsonline.com

... to as "paralinguistic signals") such as **facial** expressions and ... is set as the

full-**face** frontal view ... a newscaster or **videophone** user, rotational **head** movement ...

[Cited by 7](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

An efficient algorithm for human **face** detection and **facial** feature extraction under different ... - all 2 versions »

KW Wong, KM Lam, WC Siu - Pattern Recognition, 2001 - Elsevier

... by approximating the shirring angle due to **head** movement. ... and I. Pitas, A novel method

for automatic **face** segmentation, **facial** feature extraction ...

[Cited by 58](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

3-D **face** structure extraction and recognition from images using 3-D morphing and distance mapping - all 3 versions »

C Zhang, FS Cohen, H RVSI - Image Processing, IEEE Transactions on, 2002 - ieeexplore.ieee.org

... 6. We select a set of significant **facial** feature points ... 31 persons that contains

four to six **face** images per ... 90 degrees out of the plane) in **head pose** (see Fig ...

[Cited by 19](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

ClearBoard: a seamless medium for shared drawing and conversation with eye contact - all 4 versions »

H Ishii, M Kobayashi - Proceedings of the SIGCHI conference on Human factors in ..., 1992 - portal.acm.org

... a good idea to force users to wear awkward **head**-mount displays ... to draw over the image

of the partner's **face**. ... found it difficult to draw over the **facial** image ...

[Cited by 241](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic construction of 3D human **face** models based on 2D images

LA Tang, TS Huang - ... Processing, 1996. Proceedings., International Conference on, 1996 - [ieeexplore.ieee.org](#)

... human **face** for use in anthropometry of the human **head** ... T. Akimoto and Y. Suenaga,

"3d **facial** model cre ... and front and side views of **face**," IEICE Bansactaons ...

[Cited by 23](#) - [Related Articles](#) - [Web Search](#)

Arm gesture transmission for virtual reality telecommunicationsystem

MN Ramliy, R Komiya - Communications, 2000. ICC 2000. 2000 IEEE International ..., 2000 - [ieeexplore.ieee.org](#)

... robotic arm and hand system, coupled with the 3D **videophone**. ... to imitate other major

parts of the human body - **head**, ... I], eye and hair color, and **face** shape and ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Face detection: A survey - all 10 versions »

E Hjelmas, BK Low - Computer Vision and Image Understanding, 2001 - [sandrosufba.hpg.com.br](#)

... Edge features within the **head** outline are then subjected to ... 60, 70, 76, 108, 201,

222] for **face** detection ... been applied to detecting glasses in **facial** images [79 ...

[Cited by 418](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[PDF] Tracking facial features in video sequences using a deformable model-based approach - all 9 versions »

M Malciu, F Preteux - Proceedings of the SPIE, 2000 - [visicast.sys.uea.ac.uk](#)

... Keywords: **Facial** motion capture, MPEG-4 **face** description, deformable template, 3D

head pose estimation, monocular video sequences. 1. INTRODUCTION ...

[Cited by 7](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Omni-face detection for video/image content description - all 5 versions »

G Wei, IK Sethi - Proceedings of the 2000 ACM workshops on Multimedia, 2000 - [portal.acm.org](#)

... CC Han, MY.Chen and YT Liu, "**Facial** feature detection using geometrical **face** model:

an ... motions for very low bit-rate **videophone** coding", Pattern ...

[Cited by 16](#) - [Related Articles](#) - [Web Search](#)

An architecture for face classification

R Gallery, TIP Trew - Machine Storage and Recognition of Faces, IEE Colloquium on, 1992 - [ieeexplore.ieee.org](#)

... which simulated annealing is used to fit a **head** outline to the **face**. ... Lighting Effects

It is necessary to apply some preprocessing to the **facial** image. ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

SYSTEM FOR HUMAN **FACE** DETECTION - all 2 versions »

RJ Qian - EP Patent 1,046,126, 2002 - [freepatentsonline.com](#)

... if the **orientation** of the person's **face** is away ... the system may fail to identify the

person's **head**. ... within the backgrounds of the image, the **facial** region may ...

[Related Articles](#) - [Cached](#) - [Web Search](#)

Supervised object-based temporal filtering for enhancement of moving facial images

X Ping, J Robinson - Electrical and Computer Engineering, 1998. IEEE Canadian ..., 1998 - [ieeexplore.ieee.org](#)
... computer graphics animation [1][2], **videophone** compression coding ... is made on original moving **facial** frames to ... triangles with landmarks in our **face** model (see ...

[Related Articles](#) - [Web Search](#)

Method for robust human face tracking in presence of multiple persons - all 6 versions »

RJ Qian, KE Matthews - EP Patent 0,967,574, 1999 - [freepatentsonline.com](#)
... a security system wherein the size of the **head** and shoulders of a ... A method for robust human **face** tracking in the presence of multiple **facial** images includes ...

[Cited by 3](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

[CITATION] The Role of Vision in Face-to-Face and Mediated Communication

BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Associates

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A new robust face detection in color images - all 8 versions »

S Srisuk, W Kurutach - Automatic Face and Gesture Recognition, 2002. Proceedings. ..., 2002 - [ieeexplore.ieee.org](#)
... analysis [6,13,18,21,22] and **facial** feature extraction [2 ... This paper presents a fast algorithm of **face** region detec ... Firstly, we will pro-**pose** a novel method for ...

[Cited by 29](#) - [Related Articles](#) - [Web Search](#)

Projection based method for segmentation of human face and its evaluation - all 7 versions »

S Baskan, MM Bulut, V Atalay - Pattern Recognition Letters, 2002 - Elsevier
... Mouth lies in the middle-lower part of the **head**. ... Saber and Tekalp, 1996. E. Saber and M. Tekalp , **Face** detection and **facial** feature extraction using ...

[Cited by 28](#) - [Related Articles](#) - [Web Search](#)

Skin colour based face detection

SL Phung, D Chai, A Bouzerdoun - Intelligent Information Systems Conference, The Seventh ..., 2001 - [ieeexplore.ieee.org](#)
... a wide range of variations in the human **face** pattern that are due to factors such as different lighting, **face orientation**, **face size**, **facial** expression and ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

[PS] Tracking a face in a knowledge-based analysis-synthesis coder - all 3 versions »

L Zhang - International Workshop on Coding Techniques for very low ..., 1995 - [tnt.uni-hannover.de](#)
... with motion compensation of the **head** [3] (b ... Rydfalk, "CANDIDE, A parameterised **face**", Internal Report ... R.Forchheimer, "Two-view **facial** movement estimation ...

[Cited by 4](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[PDF] A survey of facial modeling and animation techniques - all 6 versions »

J Noh, U Neumann - University of Southern California Technical Report, 1998 - [faceita.hpg.ig.com.br](#)
... acquires two views of a person's **face** and identifies ... fiducial points defined on a generic **facial** model. In the profile and front views, the **head** is segmented ...

[Cited by 62](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Integrating active face tracking with model based coding - all 5 versions »](#)

L Yin, A Basu - Pattern Recognition Letters, 1999 - Elsevier

... Motion regularization for model-based **head** tracking. ... A robust method for realistic **facial** model adaptation ... Automatic adaptation of a **face** model using action ...

[Cited by 15](#) - [Related Articles](#) - [Web Search](#)

[Facial modeling from an uncalibrated face image using a coarse-to-fine genetic algorithm - all 2 versions »](#)

SY Ho, HL Huang - Pattern Recognition, 2001 - Elsevier

... deemed necessary for "tting a generic model to an individual's **head**. ... adjust the 3D control points of a generic **facial** model to "t the **face** image accurately ...

[Cited by 18](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[\[CITATION\] Using Recorded Motion for Facial Animation](#)

T Kobayashi - 1997 - The University of British Columbia

[Related Articles](#) - [Web Search](#)

[As plain as the noise on your face: Adaptive video compression using face detection and visual ... - all 2 versions »](#)

S Daly, K Matthews, J Ribas-Corbera - Journal of Electronic Imaging, 2001 - link.aip.org

... in the image frame and that the **head** will be ... is demonstrated in how poorly the **face** is rendered ... numerous artifacts are visible in the **facial** region, including ...

[Cited by 9](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[\[PDF\] Extraction and Coding of Face Model Parameters - all 10 versions »](#)

J Ahlberg - Proceedings of the International Workshop on Coding ..., 1997 - bk.isy.liu.se

... in mind has been a real-time **videophone** system running ... is the tracking of faces and **facial** features through ... Also, the synthesis of **face** images on the decoder ...

[Cited by 13](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Face detection and tracking for video coding applications - all 3 versions »](#)

B Menser, M Brunig - Signals, Systems and Computers, 2000. Conference Record of ..., 2000 - ieeexplore.ieee.org

... 8]. In contrast to other **face** segmentation algorithms that assume **head** and shoulder ... Frontal-view **face** detection and **facial** feature extraction using ...

[Cited by 9](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Display/monitor with orientation dependent rotatable image - all 7 versions »](#)

PA Alioshin, DB Corbin - US Patent 5,986,634, 1999 - freepatentsonline.com

... the display screen is rotated to **face** outward ... in a television system, computer system, **video phone** or internet ... underneath a cabinet in a fold-down **orientation**. ...

[Cited by 11](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

[Contour extraction and matching for image sequence coding](#)

PJL van Beek, B Sankur, JCA van der Lubbe - Image Processing and its Applications, 1992., International ..., 1992 - ieeexplore.ieee.org

... described for the extraction of the **head**-and-shoulder ... 3] Badique, E., "Knowledge-based **facial** area recognition ... Lishman, "Automatic extrac- tion of **face**-features ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

Human Face Image Processing Techniques

H Yan - International Journal of Image and Graphics, 2001 - worldscinet.com

... Once the **head** boundary is determined, the **facial** features can be located based on their edge information and the **face** symmetry (Fig. 4). ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

Method and apparatus for aligning and comparing images of the face and body from different imagers - all 11 versions »

FJ Prokoski - US Patent 6,496,594, 2002 - freepatentsonline.com

... in affected areas of the **face**, particularly the lips ... Encoding of **facial** expressions and **facial** movements during ... in the transmission of "talking **head**" video for ...

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Low bit rate audio-visual communication having improved face and lip region detection - all 3 versions »

Y Zhou - US Patent 5,596,362, 1997 - freepatentsonline.com

... of a videotelephone application, the speaker's **face** should be ... the remainder of the speaker's **facial** region ... video frame, typically comprised of **head**-and-shoulder ...

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[CITATION] Definition of VRTS

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Region-of-Interest Video Coding Based on Face Detection - all 3 versions »

JW Chen, MJ Chen, MC Chi - Proceedings of the Third IEEE Pacific Rim Conference on ..., 2002 - Springer

... 6. D. Chai and KN Ngan, "Locating **facial** region of a **head**-and-shoulders color image", Proc. ... Automatic **Face** and Gesture Recognition, pp. ...

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Facial feature model fitting in semantic-based scene analysis - all 3 versions »

PM Antoszczyszyn, JM Hannah, PM Grant - Electronics Letters, 1997 - ieeexplore.ieee.org

... reconstruction of the motion in a **videophone** scene. ... of the reconstruction of the **facial** expression was ... by creating short movies with the **face** fitted manually ...

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Color face segmentation using a fuzzy min-max neural network.

J Wachs, H Stern, M Last - International Journal of Image and Graphics, 2002 - worldscinet.com

... high performance for non fixed **head** sizes (including ... are more likely to belong to the **facial** regions and ... **Face** training images were normalized with respect to ...

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Facial image processing - all 4 versions »

A Smith, H Sako, A Sutherland, M Abe - US Patent 5,870,138, 1999 - freepatentsonline.com

... the monitor 20 or to a remote system via the **videophone** interface 70 of an image representing a substitute **face** which has the same **facial** expressions as ...

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Facial modeling from an uncalibrated face image using flexible generic parameterized facial models - all 2 versions »

SY Ho, HL Huang - Systems, Man and Cybernetics, Part B, IEEE Transactions on, 2001 - [ieeexplore.ieee.org](#)

... for fitting a generic model to an individual's **head**. ... to automate the process of fitting the general **facial** wire frame model to the actual **face** image. ...

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Model-aided coding: a new approach to incorporate facial animation into motion-compensated video ... - all 19 versions »

P Eisert, T Wiegand, B Girod - Circuits and Systems for Video Technology, IEEE Transactions ..., 2000 - [ieeexplore.ieee.org](#)

... s. Thus, the motion of any sur- **face** point can ... 5) Encoding of **Facial** Animation

Parameters: In our ... These parameters include global **head** rotation and translation ...

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Face detection in colour images - all 2 versions »

JD Brand, JSD Mason, M Pawlewski - Image Processing, 2001. Proceedings. 2001 International ..., 2001 - [ieeexplore.ieee.org](#)

... and E. Cosatto, "Locating Faces and **Facial** Parts," in Int ... Workshop on Automatic **Face**

and Ges- ture Recognition ... fro very low hit-rate **videophone** coding," PRL ...

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A fractal video communicator - all 8 versions »

J Streit, L Hanzo - Vehicular Technology Conference, 1994 IEEE 44th, 1994 - [ieeexplore.ieee.org](#)

... offs available using five different **head-and-shoulders** fractal **video-phone** codecs

(Codecs ... Intermediate Format (QCIF) CCITT standard **videophone** images ...

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Mobile videophone - all 3 versions »

P Priestman, O King, S Lewis - EP Patent 1,241,860, 2002 - [freepatentsonline.com](#)

... by reflecting ambient light into the **face** of the ... as a conventional mobile telephone handset, namely the **videophone** 200, when ... 6, is held against the **head** of the ...

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[PS] The Video Phone: New Life For An Old Idea?

LF Ackerman, GC Chen, GM Griffin, HT Nguyen - 1992 - [lorrie.cranor.org](#)

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Designing User Interaction for Face Tracking Applications - all 4 versions »

D Chatting, J Thorne - 9th International Conference on Design, Specification, and ..., 2002 - Springer

... Human translators of conversation **face** a similar problem, although ... that can be applied to the **head** of an ... recreate a believable sequence of **facial** expres- sions ...

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U Neumann, J Li, R Enciso, JY Noh, D Fidaleo, TY ... - USC-Computer Science TECH REPORT, 1999 - squidgits.com

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A 2-D content-based mesh design scheme for object-based videocoding - all 2 versions »

N Herodotou, AN Venetsanopoulos - Image Processing, 1998. ICIP 98. Proceedings. 1998 ..., 1998 - ieeexplore.ieee.org

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Informal workplace communication: what is it like and how might we support it? - all 2 versions »

S Whittaker, D Frohlich, O Daly-Jones - Proceedings of the SIGCHI conference on Human factors in ..., 1994 - portal.acm.org

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Three dimensionnal model adaptation and tracking of a human face - all 3 versions »

N Sarris, G Tzanetos, MG Strintzis - Proceedings of ECMAST, 1999 - Springer

... to identify the position of the human **face** by locating ... correspond to existing nodes of the 3D **facial** model used. ... lar areas within which lie the **head**, eyes and ...

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Repetition Priming of Face Recognition

V Bruce, M Burton, D Carson, E Hanna, O Mason - Attention and Performance XV: Conscious and Nonconscious ..., 1994 - books.google.com

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... The **face** vector is transmitted from the post ... to provide very useful **facial** characteristic data ... sign language communication, **videophone** communication, computer ...

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Automatic Interpretation and Coding of Face Images Using Flexible Models - all 2 versions »

CJ Andreas, F Timothy - 1997 - doi.ieeecomputersociety.org

... variation of these parameters they interpret **head** movements, like ... in which flexible models of **facial** appearance are ... used for coding and interpreting **face** images ...

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Virtual reality telecommunication system

R Komiya, NAM Arif, MN Bin Ramli, TGH Prasad, MR ... - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - [ieeexplore.ieee.org](#)
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expression, mechanical ... party's and called party's body, **face**, postures and ...

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head are derived ... a simplified topological three-dimensional model of the **face**. ...

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[PDF] Three-Dimensional Facial Adaptation for MPEG-4 Talking Heads - all 5 versions »

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... deduce the 3D positions of the **head** we wish ... their exact calculated positions, while
the **facial** parts retain ... Figure 2) is split into separate **face** parts (left ...

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expression and partially robust to **head orientation**. ...

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Evaluation of a Portable Low Cost Videophone System in the Assessment of Depressive Symptoms and ... - all 3 versions »

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local **facial** motions. ACKNOWLEDGEMENTS The work on 3-D **face** modeling system ...

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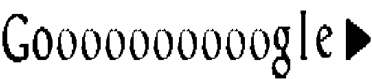
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subnetwork B ... 1 is composed of 3600 different faces with **orientation** between 0 ...

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